

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133776.D
 Acq On : 15 Jun 2023 15:43
 Operator : CG\JU
 Sample : 03160-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-B-0609-2

Quant Time: Jun 15 16:08:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:12:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

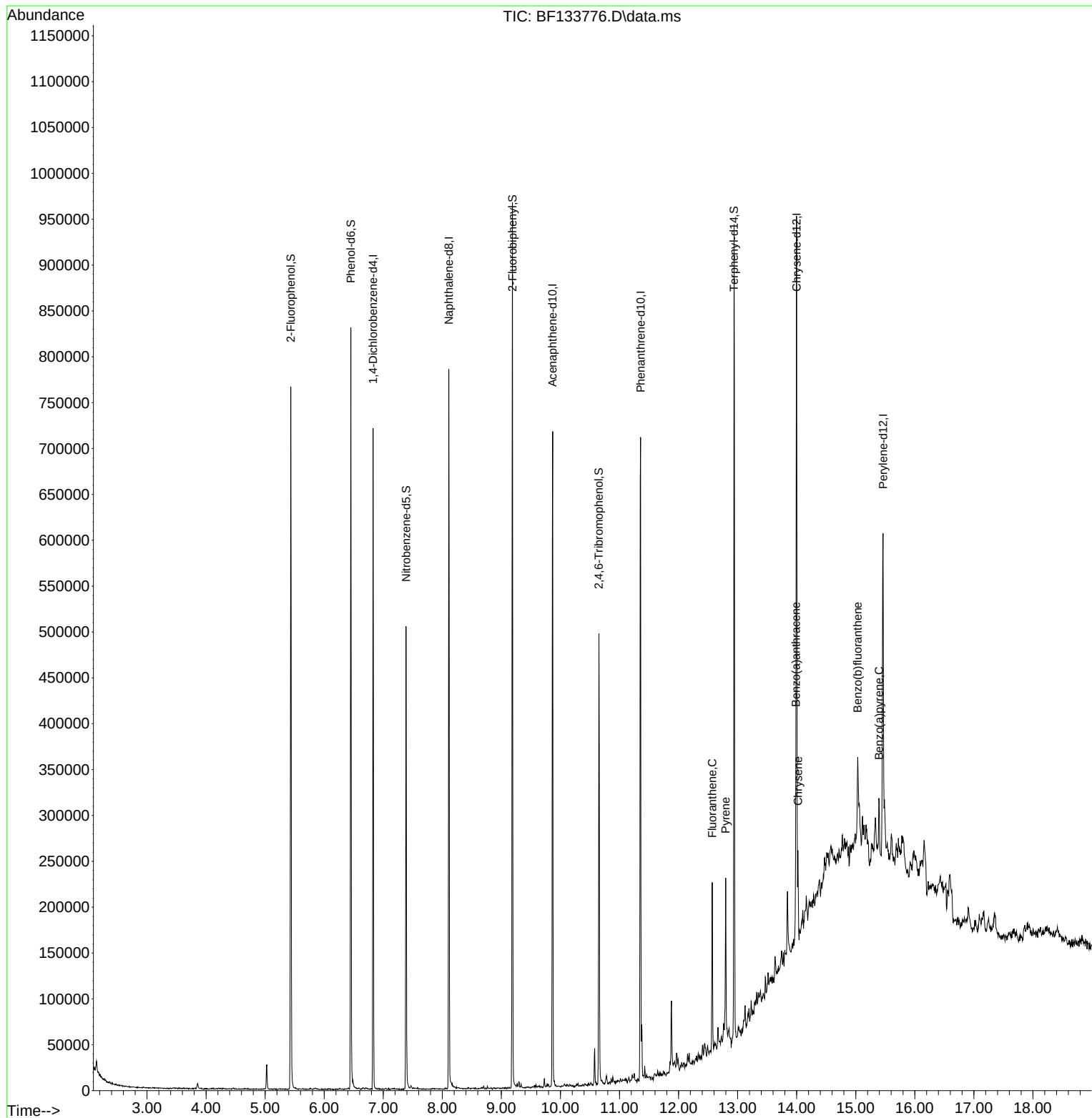
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	90503	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	318458	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	136720	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	266396	20.000	ng	0.00
76) Chrysene-d12	13.998	240	242241	20.000	ng	0.00
86) Perylene-d12	15.462	264	167947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	186566	35.888	ng	0.00
7) Phenol-d6	6.451	99	213900	31.610	ng	-0.01
23) Nitrobenzene-d5	7.387	82	134198	22.952	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	52679	30.439	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	260071	27.040	ng	0.00
79) Terphenyl-d14	12.939	244	282629	18.053	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.569	202	66668	4.645	ng	97
78) Pyrene	12.798	202	65268	2.892	ng	99
81) Benzo(a)anthracene	13.986	228	37839	2.258	ng	96
83) Chrysene	14.021	228	33622	2.122	ng	97
88) Benzo(b)fluoranthene	15.033	252	36995m	3.626	ng	
90) Benzo(a)pyrene	15.398	252	24016	2.536	ng	# 86

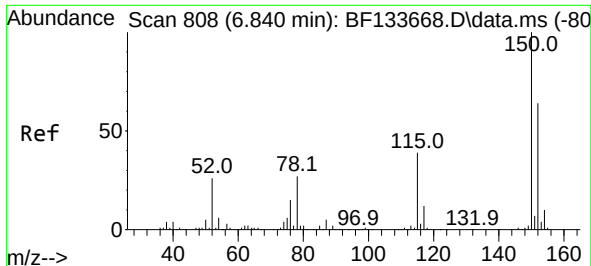
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 15:12:57 2023
Response via : Initial Calibration

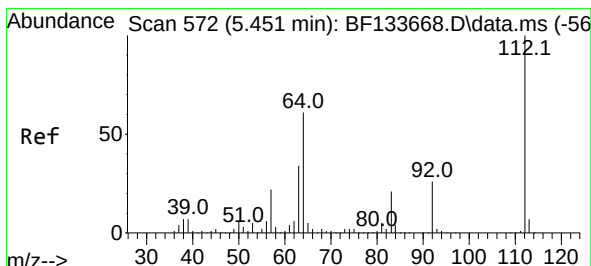
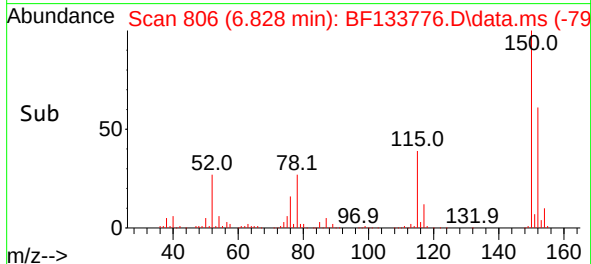
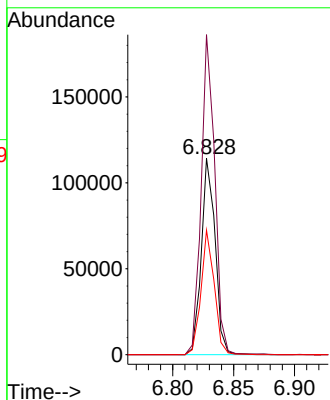
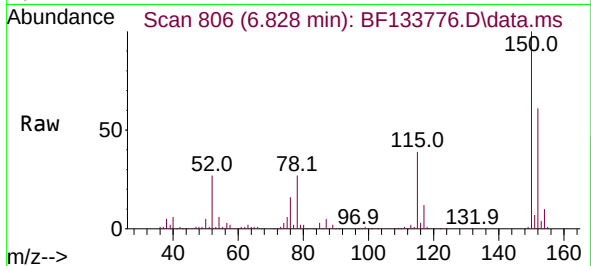




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

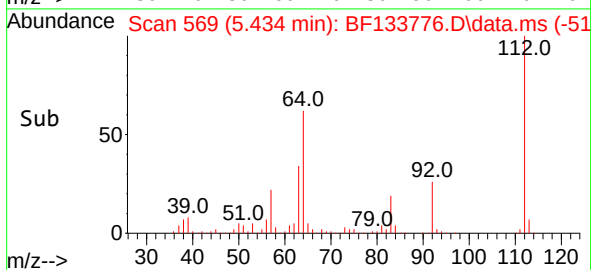
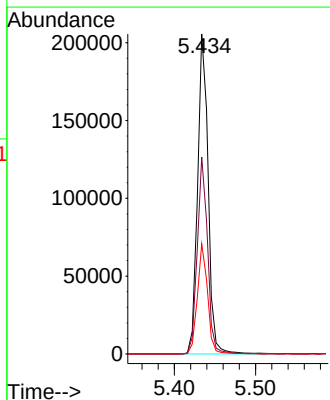
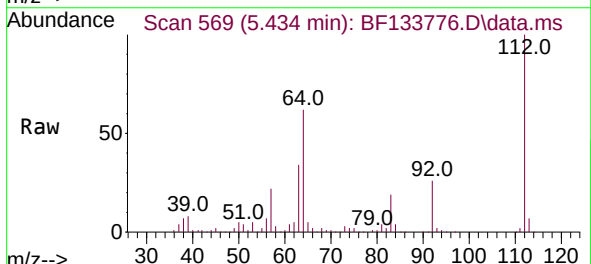
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-2

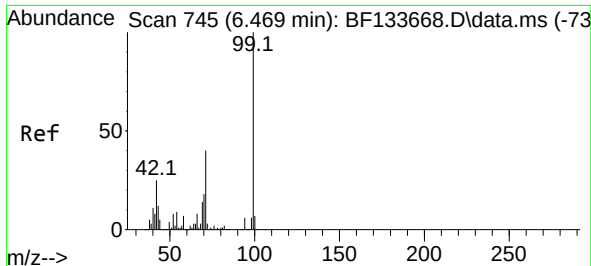
Tgt Ion:152 Resp: 90503
Ion Ratio Lower Upper
152 100
150 163.0 124.3 186.5
115 63.4 48.5 72.7



#5
2-Fluorophenol
Concen: 35.888 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

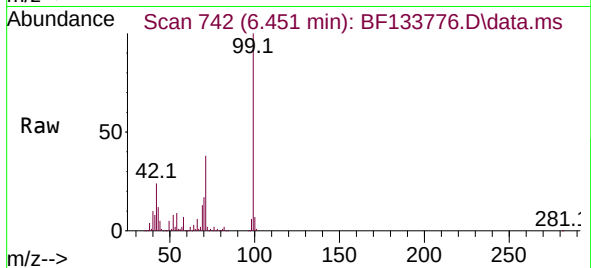
Tgt Ion:112 Resp: 186566
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 34.4 26.8 40.2



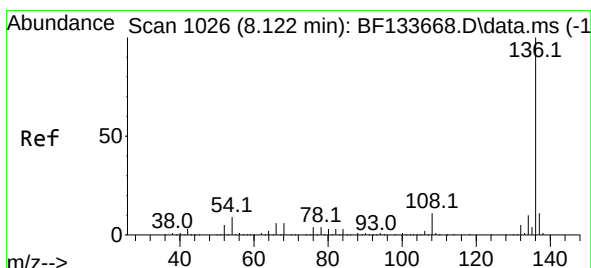
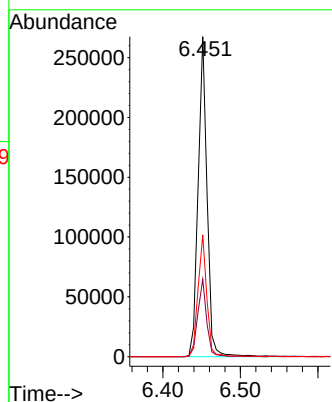
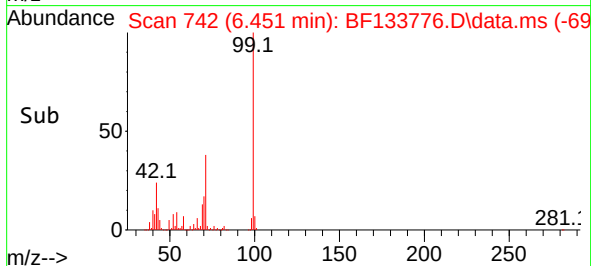


#7
Phenol-d6
Concen: 31.610 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

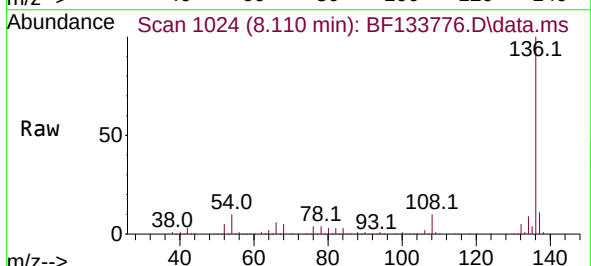
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-2



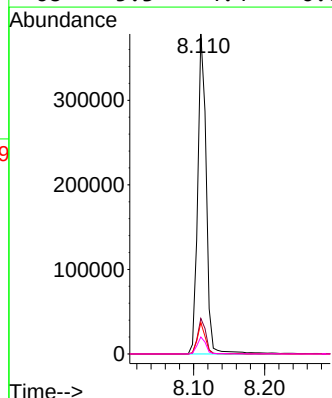
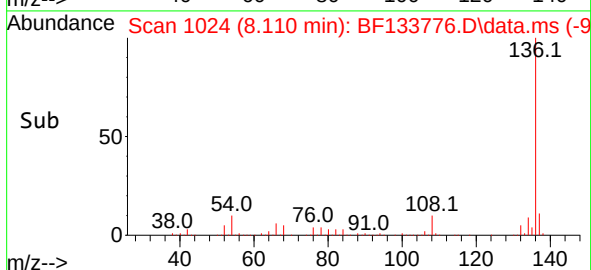
Tgt Ion: 99 Resp: 213900
Ion Ratio Lower Upper
99 100
42 24.2 19.9 29.9
71 38.1 32.2 48.4

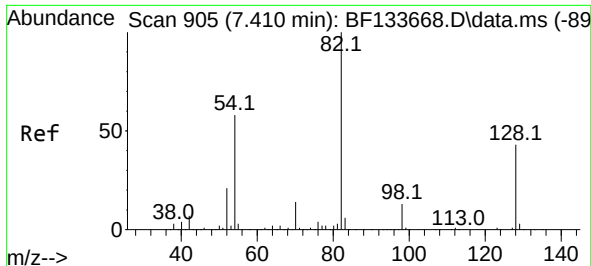


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43



Tgt Ion: 136 Resp: 318458
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.8 7.4 11.0
68 5.3 4.4 6.6

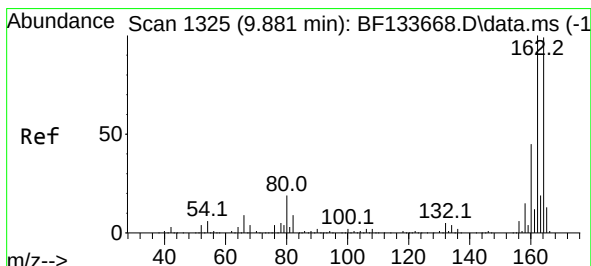
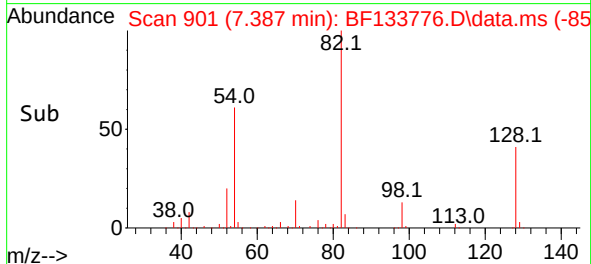
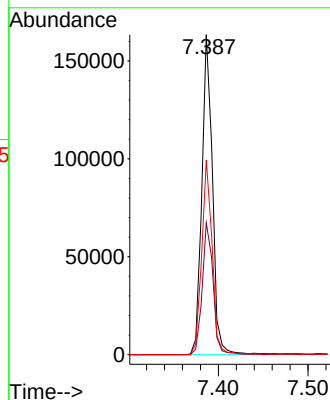
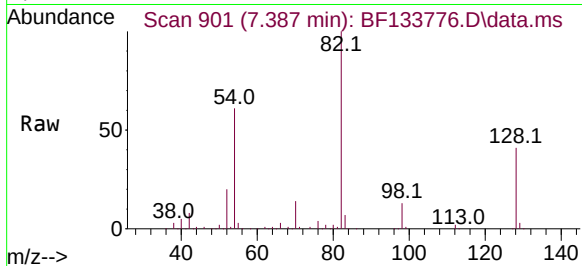




#23
 Nitrobenzene-d5
 Concen: 22.952 ng
 RT: 7.387 min Scan# 901
 Delta R.T. -0.012 min
 Lab File: BF133776.D
 Acq: 15 Jun 2023 15:43

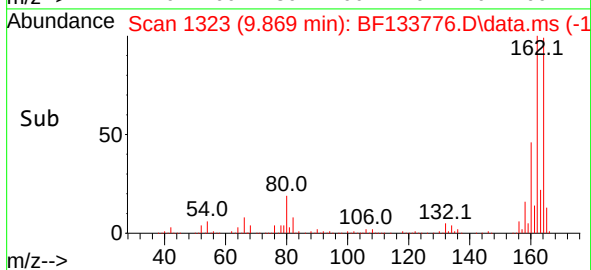
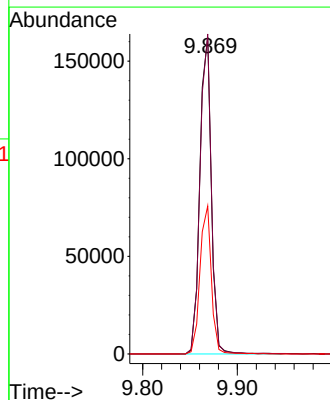
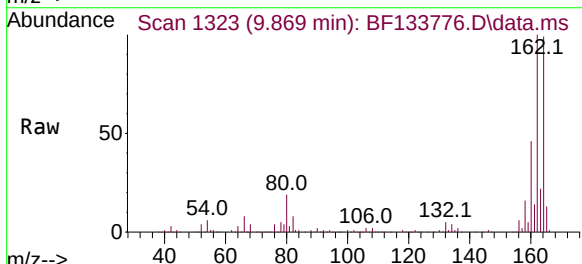
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-B-0609-2

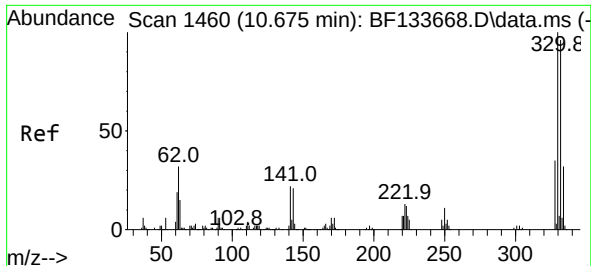
Tgt Ion: 82 Resp: 134198
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.2 51.2
 54 60.8 46.5 69.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.869 min Scan# 1323
 Delta R.T. -0.000 min
 Lab File: BF133776.D
 Acq: 15 Jun 2023 15:43

Tgt Ion: 164 Resp: 136720
 Ion Ratio Lower Upper
 164 100
 162 100.9 80.8 121.2
 160 46.7 36.7 55.1

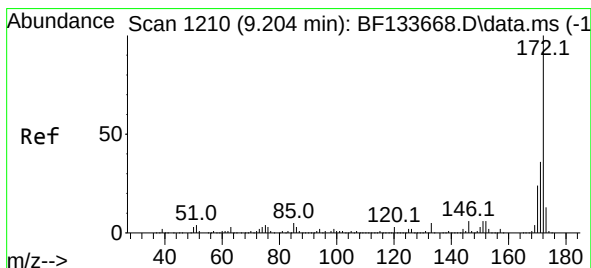
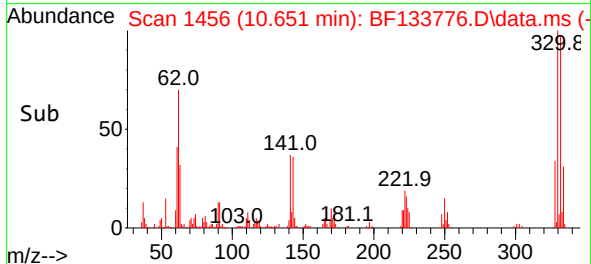
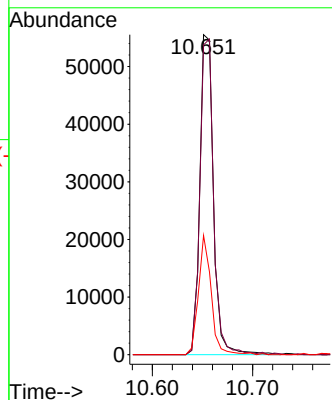
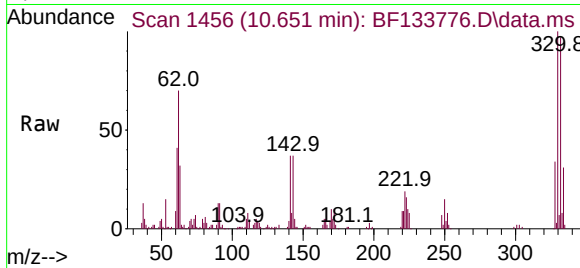




#42
2,4,6-Tribromophenol
Concen: 30.439 ng
RT: 10.651 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

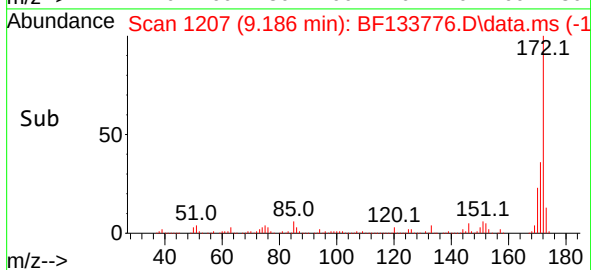
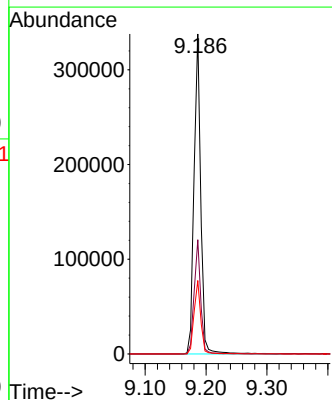
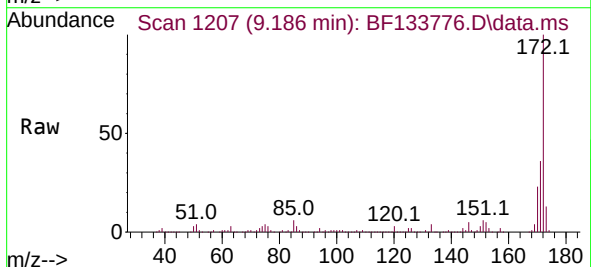
Instrument :
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ClientSampleId :
PNNL-B-0609-2

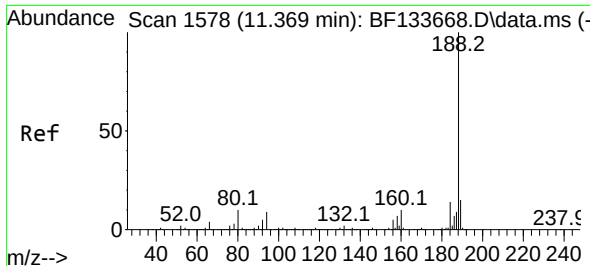
Tgt Ion:330 Resp: 52679
Ion Ratio Lower Upper
330 100
332 99.2 77.2 115.8
141 34.8 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 27.040 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

Tgt Ion:172 Resp: 260071
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 22.9 19.1 28.7

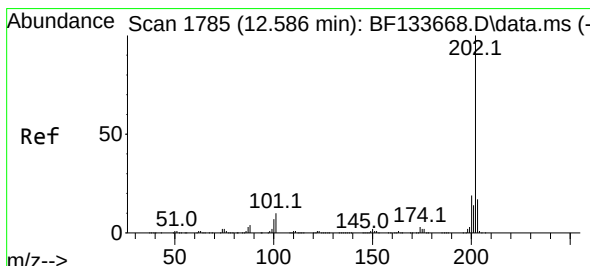
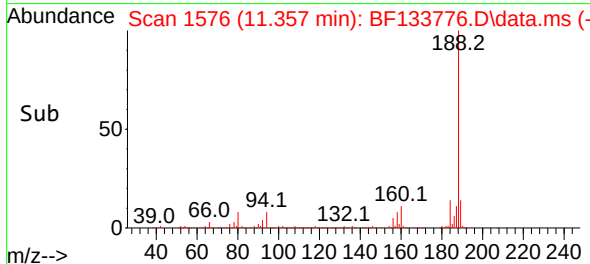
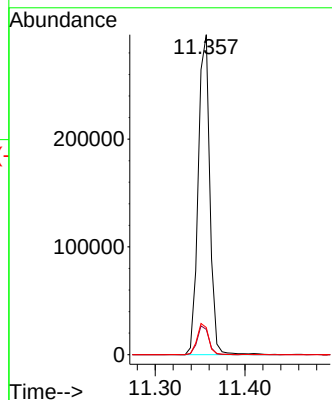
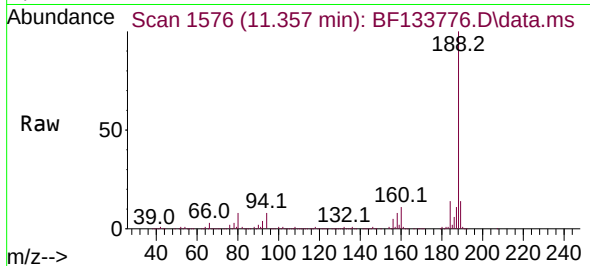




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

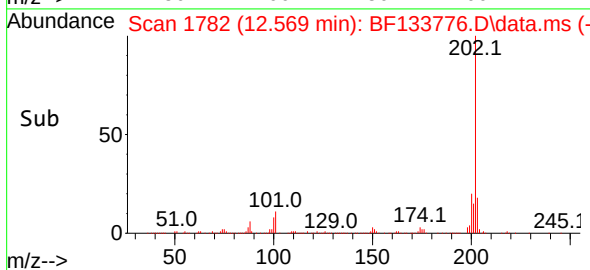
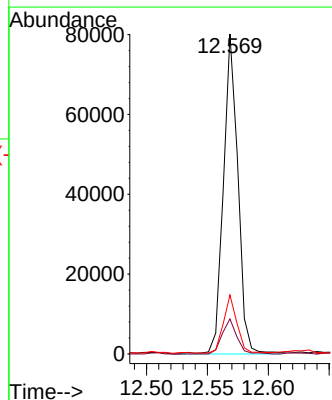
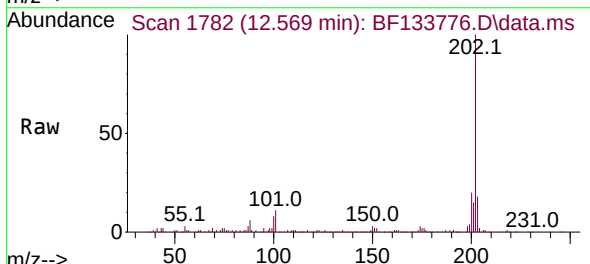
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ClientSampleId :
PNNL-B-0609-2

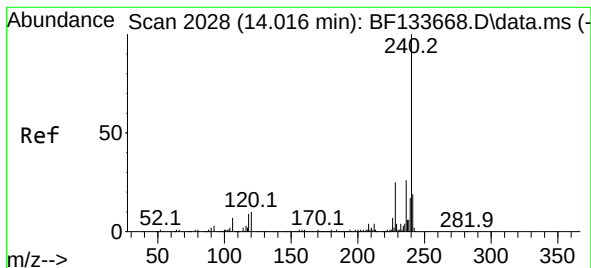
Tgt Ion:188 Resp: 266396
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.5 7.8 11.6



#75
Fluoranthene
Concen: 4.645 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF133776.D
Acq: 15 Jun 2023 15:43

Tgt Ion:202 Resp: 66668
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 18.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-2

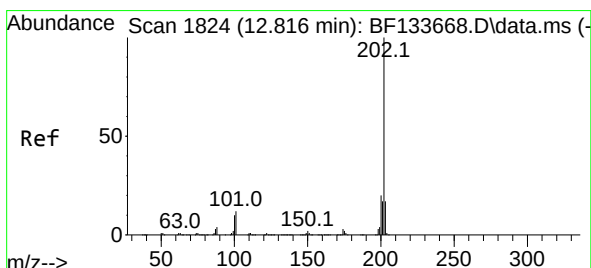
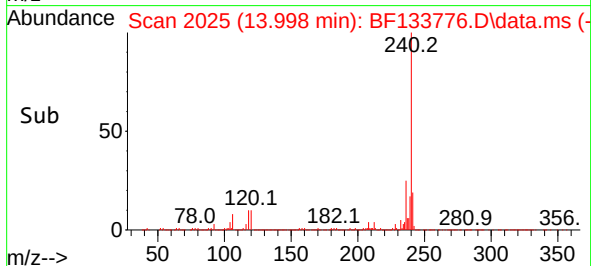
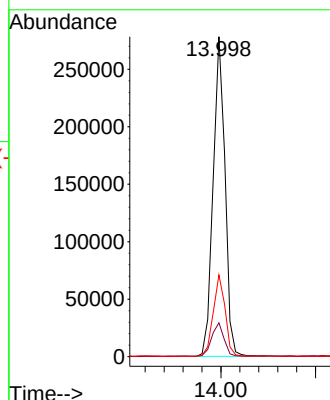
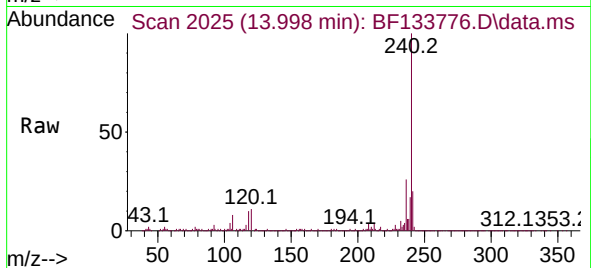
Tgt Ion:240 Resp: 242241

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

236 25.6 20.5 30.7



#78

Pyrene

Concen: 2.892 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

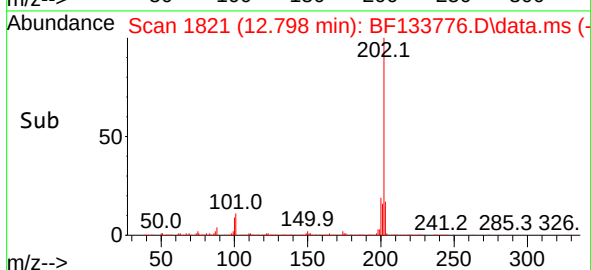
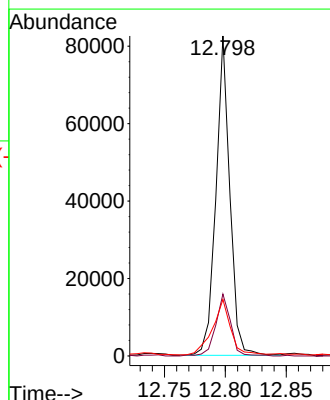
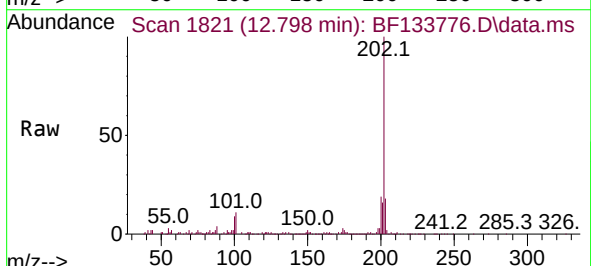
Tgt Ion:202 Resp: 65268

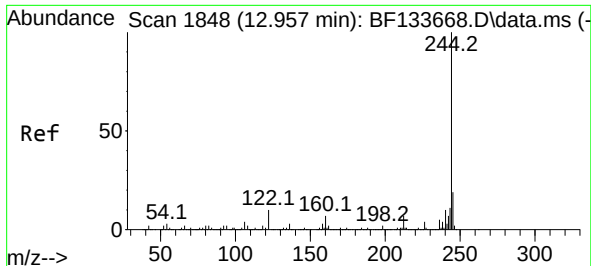
Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

203 17.6 13.9 20.9

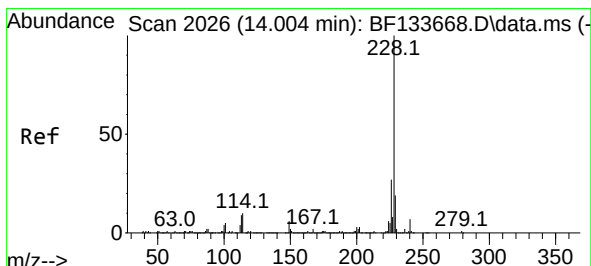
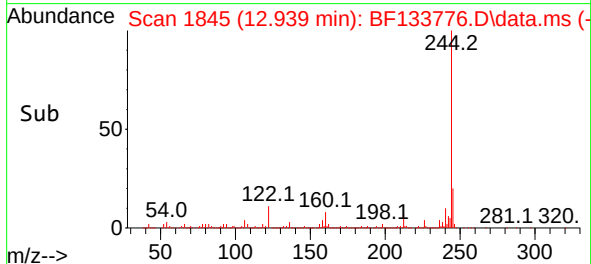
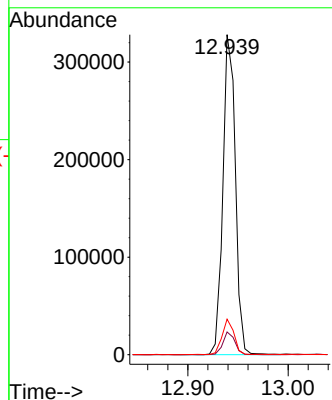
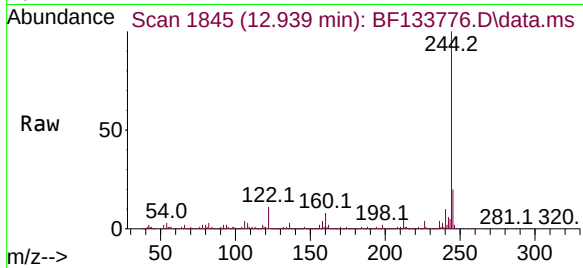




#79
 Terphenyl-d14
 Concen: 18.053 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. -0.006 min
 Lab File: BF133776.D
 Acq: 15 Jun 2023 15:43

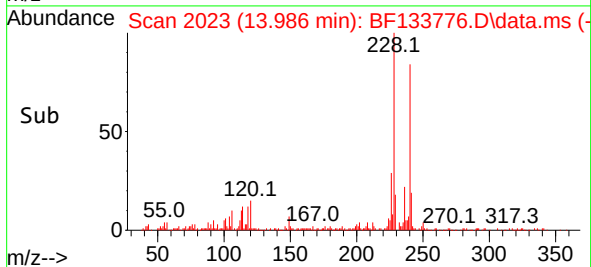
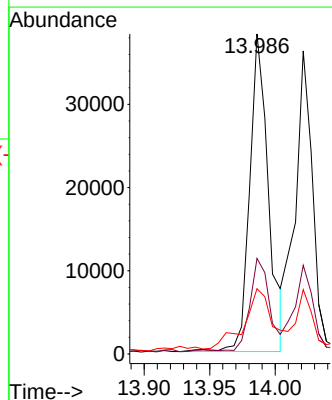
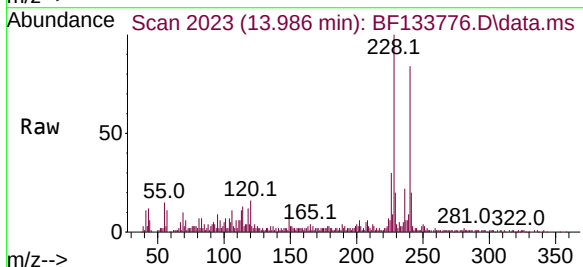
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-B-0609-2

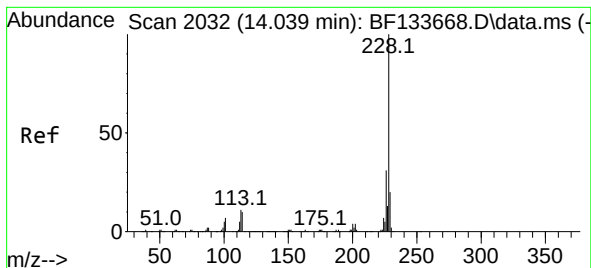
Tgt Ion:244 Resp: 282629
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 11.1 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 2.258 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. -0.006 min
 Lab File: BF133776.D
 Acq: 15 Jun 2023 15:43

Tgt Ion:228 Resp: 37839
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.7 32.5
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 2.122 ng

RT: 14.021 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-2

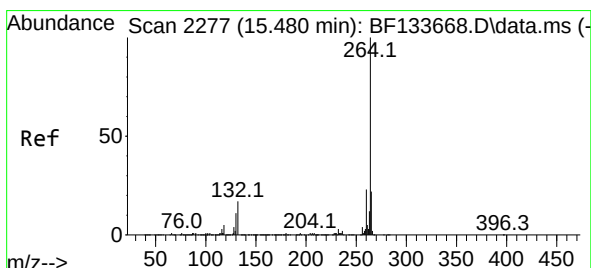
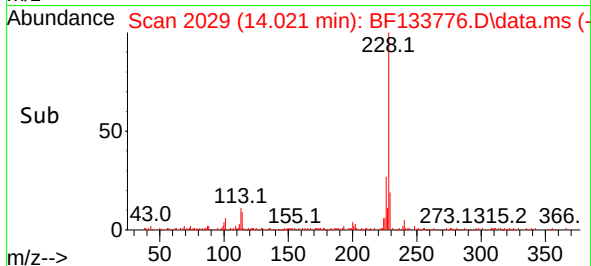
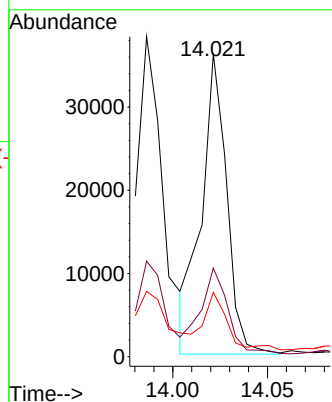
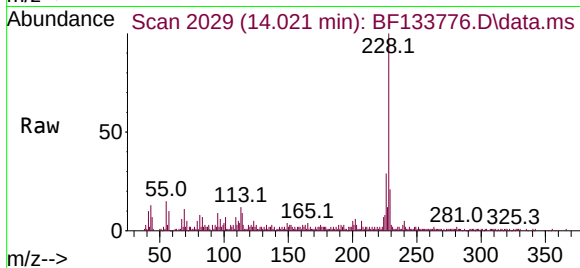
Tgt Ion:228 Resp: 33622

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

229 21.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

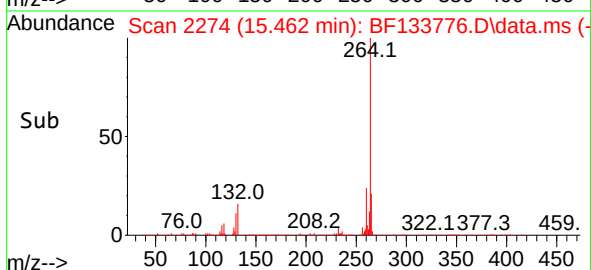
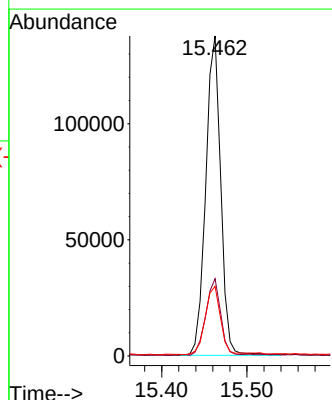
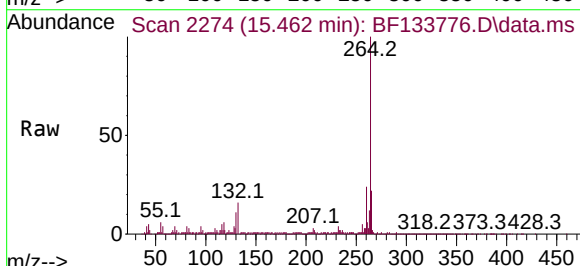
Tgt Ion:264 Resp: 167947

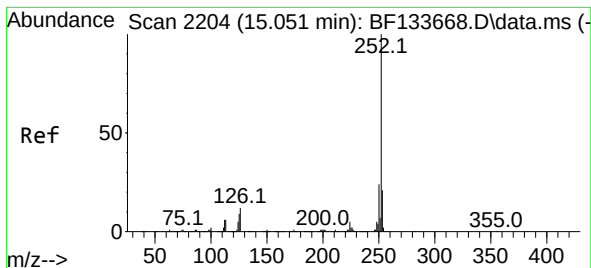
Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 21.8 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 3.626 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-2

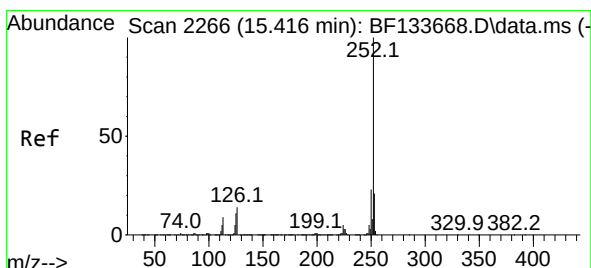
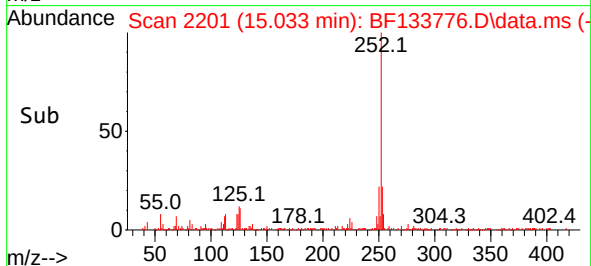
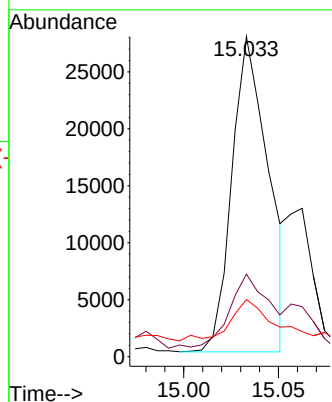
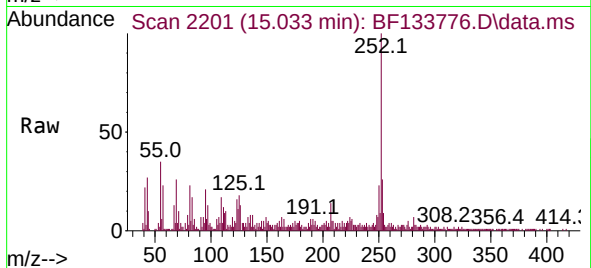
Tgt Ion:252 Resp: 36995

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

125 17.8 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 2.536 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BF133776.D

Acq: 15 Jun 2023 15:43

Tgt Ion:252 Resp: 24016

Ion Ratio Lower Upper

252 100

253 27.2 17.1 25.7#

125 17.3 8.6 13.0#

